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Spread spectrum communication system

Application Number	97102062	Application Date	1997.01.22
Publication Number	1166094	Publication Date	1997.11.26
Priority Information	JP145996/961996/5/20		
International Classification	H04B 1/69		
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Abstract

in the present spread spectrum communication equipment there are some problems that needing complicated distributing control for variable speed transmission and different speed transmission or increasing the hardware scale and the consum electricity. Low rate data D1-D4 and middle rate data D5 and D6 are time division multiplexed independently according to their rates by a time division multiplexer TDM(A) (110) so that their rates are converted into the rate of high rate data D7 and D8 which are not passed through the time division multiplexer TDM (A) (110). Subsequently, the entire data are converted into biorthogonal signals by biorthogonal signal generators BORTs (121, 122a-125a), and code division multiplexed by a code division multiplexer CDM(A) (130a). The code division multiplexed signal undergoes modulation by a spreading modulator and a carrier modulator, and transmitted.

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